

**AMENDMENTS TO THE DRAWINGS**

Please add seven (7) new figures after the original drawings. They have been drawn to show the flow chart of the technique of the invention and to show the steps outlined in the specification and claims of the application. The new figures have been attached as "Replacement Sheets" at the end of this document.

I have expanded the list of reference numerals in drawings to reflect the numerals used in the discussions and descriptions.

**REMARKS/ARGUMENTS**

Applicant respectfully request entry of this amendment for a method of processing parameters from a set of discrete sensors.

This application should be in condition for a favorable examination.

I have followed the proscribed procedures of 37 C.F.R. 1.121, manner of making amendments in preparing my response. All changes in the specification and claims have been carefully made using the strikeout, underline, and double bracket notations.

I have included all relevant matter to my method for system engineering from requirements, for selecting the set of discrete sensors and sensitized strands, creating the monitoring application and its use for monitoring a system of conduits. I have diligently avoided introducing any new material in rewording to prepare the discussion of the original claim 42 for the method as discussed during the personal interview on 02 August 2006.

At the suggestion of the Examiner, I moved old matter from the text of claims from the application into the specification describing the embodiments in order to form references (antecedents) in the specification on which to base the claims for the method of this amendment.

Based on the examiners comments, rejections and objections in Office Response of March 23, 2006, the corrections were made to the patent application, including removal of “new matters” in paragraphs [0014] and [0015], between paragraphs [0020] and [0021], after paragraph [0046], in paragraphs [0052] and [0053], and in paragraphs [0109a] to [0109e].

While the examiner has referenced additional patents published since the date of the filing of this patent application, I have removed (cancelled) them from the application specification.

This amendment is based on claim 42 of the original claims. I have cancelled claims 1 to 41 and 43, and added them to the specification. The revisions in wording of claim 42 are based on ambiguities and discrepancies in claims 42 identified by the examiner in previous office actions. I have made changes to claim 42 as previously agreed with the examiner. I have added new Claims 44 through 49, limiting of

Claim 42, derived from statements of the original claims and specification. I rewrote Claim 20 as a new claim 49 dependent on claim 42.

I created seven (7) new drawings, FIG. 7 through FIG. 13, which are flow charts that show the steps outlined in the specification and claims of the application. I also modified the list of reference numerals in drawings to reflect the numerals used in the discussions and descriptions.

Respectfully submitted,

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Attachment: Amended Drawings Replacement Sheets

REPLACEMENT SHEET



**Amended Drawings Replacement Sheets (Amendments to the Figures)**

Please add following Figures 7 through 13 after the figures of the original application. The new seven (7) figures are drawn to show the flow chart of the technique of the invention.